



Substitute for form 1449/PTO

**(Use as many sheets as necessary)**

Sheet	1	of	2
-------	---	----	---

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**Complete if Known**

Application Number	09/924,074
Filing Date	August 7, 2001
First Named Inventor	R. Czerwiec et al
Art Unit	2664
Examiner Name	
Attorney Docket Number	907-153-10

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>5</sup>
Hee	5	CA 2,013,390	03-28-1990	N. Dyer		
Hee	6	WO 97/09827	05-13-1997	NEC Australia		

**Examiner  
Signature**

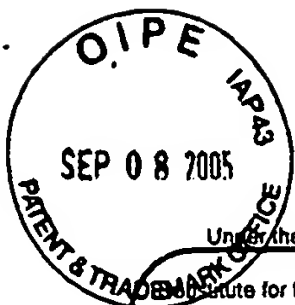
**Date  
Considered**

NOV 22, 2005

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**



PTO/SB/088 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Use as many sheets as necessary for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 09/924,074

Filing Date August 7, 2001

First Named Inventor R. Czerwec et al

Art Unit 2664

Examiner Name

Sheet

2

of

2

Attorney Docket Number

907-153-10

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Hee	1	ANSI T1.413-1995, "Network and Customer Installation Interfaces--Asymmetric Digital Subscriber Line (ADSL) Metallic Interface".	

Examiner  
SignatureDate  
Considered

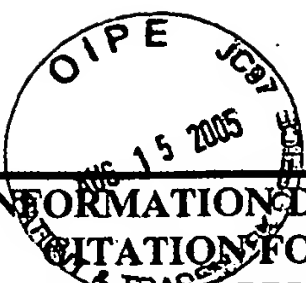
Nov 22, 2005

\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



**INFORMATION DISCLOSURE  
CITATION FORM FOR  
PATENT APPLICATION  
(FORM PTO-1449)  
(Substitute)**

Docket No.: 907-153-010  
Applicant(s): CZERWIEC et al  
Filing Date: August 7, 2001

Serial No.: 09/924,074  
Group:

**U.S. PATENTS**

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date
Hll	6,144,659	11/7/00	Nye et al.	370	359	12/19/96
	5,889,856	3/30/99	O'Toole et al.	379	399	5/22/97
	5,805,591	9/8/98	Naboulsi et al	370	395	2/28/96
	6,314,102	11/6/01	Czerwiec et al.	370	395	7/10/97
	5,971,804	10/26/99	Gallagher et al.	439	581	6/30/97
	4,821,034	4/11/89	Anderson et al.	340	825.800	2/6/87
	5,901,136	5/4/99	Lovelace et al.	370	217	12/26/96
	6,678,284	1/13/04	Verthein et al.	370	465	4/25/01
	6,175,490	1/16/01	Papa et al.	361	686	10/1/97
	6,169,987	1/2/01	Knoblock et al.	707	10	3/25/97
	6,424,636	7/23/02	Seazholtz et al.	370	295	5/1/00
	5,790,518	8/4/98	Nguyen et al.	370	217	12/22/95
Hll	5,150,355	9/22/92	Dyer	370	16	3/28/90

**U.S. PATENT PUBLICATIONS**

Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date

**FOREIGN PATENT DOCUMENTS**

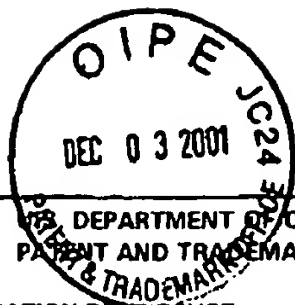
Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a
Hll	WO 96/24989	8/15/96	PCT	ADC Telecommunications, Inc.	n/a

**OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)**

Hll	"ADSL and VADSL Splitter Design and Telephony Performance", Cook et al., IEEE Journal on Selected Areas in Communications, Vol. 13, No. 9, December 1995, pages 1634-1642.

Examiner's Signature: *[Signature]* Date Considered: *NOV 22, 2001*

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.  
Include a copy of this citation form with your next correspondence to the Applicant(s).

Sheet 1 of 4FORM PTO-1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

907-153-10

SERIAL NO.

09/924,074

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT

R. Czerwiec et al

FILING DATE

Aug. 7, 2001

GROUP

(Use several sheets if necessary)

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>See</i>	5 1 8 1 1 0 6	01/19/93	Sutherland			
	5 1 8 9 6 7 3	02/23/93	Burton et al			
	5 1 9 1 4 5 6	03/02/93	Sutherland et al			
	5 2 8 3 6 7 8	02/01/94	Czerwiec			
	5 3 0 1 0 5 0	04/05/94	Czerwiec et al			
	5 3 0 3 2 2 9	04/12/94	Withers et al			
	5 4 4 6 7 2 6	08/29/95	Rostoker et al			
	5 4 9 5 4 8 3	02/27/96	Grube et al			
	5 5 1 2 9 3 6	04/30/96	Burton et al			
<i>See</i>	5 5 1 9 7 3 1	05/21/96	Cioffi			
	5 5 2 1 9 0 6	05/28/96	Grube et al			

RECEIVED  
DEC 06 2001  
Technology Center 2600

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>See</i>	2 2 9 1 3 1 6	01/17/96	GB				
	9 7 1 1 5 3	03/27/97	WO				
	9 5 2 1 4 8 8	08/10/95	WO				
	2 9 6 0 7 3 57	06/20/96	DE				
<i>See</i>	9 9 0 3 2 2 1	01/21/99	WO				

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

<i>See</i>	"Asymmetric Digital Subscriber Line: Interim Technology for the Next Forty Years", Kim Maxwell, IEEE Communications Magazine, October 1996, pages 100-106

EXAMINER

DATE CONSIDERED

NOV 22, 2005

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(Modified)DEPARTMENT OF COMMERCE PATENT  
AND TRADEMARK OFFICE

ATTY. DOCKET NO.

907-153-10

SERIAL NO.

09/924,074

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT

R. Czerwiec et al

FILING DATE

Aug. 7, 2001

GROUP

(Use several sheets if necessary)

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Hee</i>	5 5 3 3 0 0 8	07/02/96	Grube et al			
	5 5 3 4 9 1 2	07/09/96	Kostreski			
	5 5 3 9 7 7 7	07/23/96	Grube et al			
	5 5 5 7 6 1 2	09/17/96	Bingham			
	5 5 7 2 3 4 7	11/05/96	Burton et al			
	5 5 7 6 8 7 4	11/19/96	Czerwiec et al			
	5 5 8 1 4 7 9	12/03/96	McLaughlin et al			
	5 5 9 4 4 9 1	01/14/97	Hodge et al			
	5 5 9 4 5 7 6	01/14/97	Sutherland et al			
	5 5 9 6 6 0 4	01/21/97	Cioffi et al			
<i>Hee</i>	5 6 0 4 6 8 2	02/18/97	McLaughlin et al			

RECEIVED  
DEC 06 2001  
Technology Center 2600

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>Hee</i>	9 7 3 7 4 5 8	10/09/97	WO				
	0 8 3 1 6 2 4	03/25/98	EPO				
	9 8 2 0 7 0 2	05/14/98	WO				
<i>Hee</i>	9 8 3 6 5 4 1	08/20/98	WO				

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

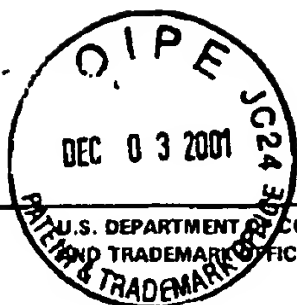

EXAMINER

DATE CONSIDERED

*Arndt*

NOV 22, 2005

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(Modified)U.S. DEPARTMENT OF COMMERCE PATENT  
AND TRADEMARK OFFICE

ATTY. DOCKET NO.

907-153-10

SERIAL NO.

09/924,074

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT

R. Czerwiec et al

FILING DATE

Aug. 7, 2001

GROUP

(Use several sheets if necessary)

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Hee</i>	5 6 0 6 5 7 7	02/25/97	Grube et al			
	5 6 0 8 7 2 5	03/04/97	Grube et al			
	5 6 1 2 7 4 2	03/18/97	Krause et al			
	5 6 1 3 1 9 0	03/18/97	Hylton			
	5 6 1 9 5 0 5	04/08/97	Grube et al			
	5 6 2 3 5 1 3	04/22/97	Chow et al			
	5 6 2 3 5 4 3	04/22/97	Cook			
	5 6 2 5 6 5 1	04/29/97	Cioffi			
	5 6 2 7 5 0 1	05/06/97	Biran et al			
<i>Hee</i>	5 6 2 7 8 6 3	05/06/97	Aslanis et al			
	5 6 3 6 1 3 9	06/03/97	McLaughlin et al			

RECEIVED  
DEC 06 2001  
Technology Center 2600

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)


EXAMINER

*Andrzej*

DATE CONSIDERED

NOV 22, 2005

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 4 of 4FORM PTO-1449  
(Modified)U.S. DEPARTMENT OF COMMERCE PATENT  
AND TRADEMARK OFFICE

ATTY. DOCKET NO.

907-153-10

SERIAL NO.

09/924,074

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT

R. Czerwiec et al

FILING DATE

Aug. 7, 2001

GROUP

(Use several sheets if necessary)

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Allee</i>	5 6 3 6 2 2 4	06/03/97	Voith et al			
	5 6 6 8 8 5 7	09/16/97	McHale			
	5 6 8 7 0 1 4	11/11/97	Czerwiec et al			
	5 7 5 6 2 8 0	05/26/98	Soora et al			
	5 7 9 0 5 4 8	08/04/98	Sistanizadeh et al			
	5 8 1 2 7 8 6	09/22/98	Seazholtz et al			
	5 8 1 8 5 1 1	10/06/98	Farry et al			
	5 8 5 2 6 5 5	12/22/98	McHale et al			
	5 9 0 5 7 8 1	05/18/99	McHale et al			
<i>Allee</i>	5 9 1 0 9 7 0	06/08/99	Lu			
	5 9 2 6 4 7 2	07/20/99	Byers			

RECEIVED  
DEC 06 2001  
Technology Center 2600

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)


EXAMINER

DATE CONSIDERED

*Allee*

NOV 22, 2001

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.